

Application No. 09/400,833
Response dated December 9, 2004
Reply to Office Action of August 4, 2004

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (cancelled)

Claim 2 (previously presented): A machine including a workpiece-transfer device as in Claim 20, wherein the product and material-housing sections have a total length in the second horizontal direction not exceeding that of the said workpiece-machining device in the second horizontal direction.

Claim 3 (previously presented): A machine including a workpiece-transfer device as in Claim 20, wherein the rectangular coordinate movement means moves said traveling body to said product and material-housing sections so that said traveling body can be moved to position and load a material workpiece gripped by the gripping means of said traveling body, relative to a positioning member of said workpiece-machining device.

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Claim 4 (cancelled)

Claim 5 (cancelled)

Claim 6 (cancelled)

Claim 7 (cancelled)

Claim 8 (cancelled)

Claim 9 (cancelled)

Claim 10 (cancelled)

Claim 11 (cancelled)

Claim 12 (cancelled)

Claim 13 (cancelled)

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Claim 14 (cancelled)

Claim 15 (cancelled)

Claim 16 (cancelled)

Claim 17 (cancelled)

Claim 18 (cancelled)

Claim 19 (previously presented): A machine including a workpiece-transfer device as in Claim 20, wherein said workpiece-storage device includes a skeleton-housing section in parallel with said second direction and on a side of the material-housing section opposed to said product-housing section.

Claim 20 (currently amended): A machine including a workpiece-transfer device for transferring a material workpiece and a machined product workpiece between a workpiece-machining device and a workpiece-storage device, the workpiece-transfer device loading the material workpiece on the workpiece-machining device and unloading the machined product workpiece from the workpiece-machining device, comprising:

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a traveling body;

a gripping means provided on the traveling body for gripping the material workpiece and the machined product workpiece; and

a rectangular coordinate movement means for moving the traveling body in a first horizontal direction in which the workpiece-machining device and the workpiece-storage device are located in a line, and in a second horizontal direction orthogonal to the first horizontal direction, wherein the traveling body can be moved simultaneously in the first and second directions;

wherein said workpiece-storage device is provided with a product-housing section for stacking the machined product workpiece and a material-housing section for stacking the material workpiece, the product-housing section being located parallel to the material-housing section, wherein both of the product-housing section and the material-housing section are arranged in the second horizontal direction, and wherein said traveling body is moved simultaneously and above the product-housing section and the material-housing section on the workpiece-storage device.